

PUBLICATIONS

McLean, M.L., Espinoza, D.N., & Ahmmed, B. (2024). Evolution of Hydraulic Fracture Permeability in EGS Considering Natural Fracture Compressibility and Strength of the Surrounding Rock. In *Proceedings, 58th U.S. Rock Mechanics/Geomechanics Symposium (ARMA 2024, Golden, Colorado, June 2024)*

McLean, M.L., Adachi, J.I., & Ramos, M.J. (2024). Impact of Coupled Behavior of Natural Fractures on Geothermal Systems. In *Proceedings, 49th Workshop on Geothermal Reservoir Engineering (Stanford University, Stanford, California, February 2024)*. SGP-TR-227.

McLean, M.L. & Espinoza, D.N. (2024). Thermo-Poromechanical Rock Response Around Operating Deep Closed-Loop Geothermal Wellbores. *Rock Mechanics & Rock Engineering*. 1-17.

McLean, M.L. & Espinoza, D.N. (2024). An open source FEM code for solving coupled thermo-poroelastoplastic processes. *Open Geomechanics*, 5, 1-19.

McLean, M.L. & Espinoza, D.N. (2023). Thermal distressing: Implications for short-circuiting in enhanced geothermal systems. *Renewable Energy*, 202, 736-755.

McLean, M.L. & Espinoza, D.N. (2023). Distant fault reactivation due to temperature and pressure changes accounting for rock matrix and fault plasticity. In *Proceedings, 57th U.S. Rock Mechanics/Geomechanics Symposium (ARMA, Atlanta, Georgia, June 2023)*.

McLean, M.L. & Espinoza, D.N. (2022). Geometrical controls on thermal short-circuiting in multi-fracture enhanced geothermal systems. In *Proceedings, 56th U.S. Rock Mechanics/Geomechanics Symposium (ARMA 2022, Santa Fe, New Mexico, June 2021)*.

McLean, M.L. & Espinoza, D.N. (2021). Depth Dependent Thermo-Poro-Elastic Response of Geothermal Reservoirs During Heat Extraction. In *Proceedings, 55th U.S. Rock Mechanics/Geomechanics Symposium (ARMA, Houston, Texas, June 2021)*.